DOCUMENT RESUME

ED 301 602 TM 012 608

AUTHOR Ronning, Royce R., Ed.; And Others
TITLE The Influence of Cognitive Psychology on Testing. Buros-Nebraska Symposium on Measurement and Testing (3rd, Lincoln, Nebraska, 1985). Volume 3.
REPORT NO ISBN-0-89859-898-2
PUB DATE 87
NOTE 301p.; For related documents, see TM 012 607-609.
AVAILABLE FROM Lawrence Erlbaum Associates, Inc., 365 Broadway, Hillsdale, NJ 07642 ($39.95).
PUB TYPE Collected Works - Conference Proceedings (021) -- Reports - Evaluative/Feasibility (142) -- Books (010)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS Ability Identification; Academic Ability; Achievement Tests; Cognitive Processes; *Cognitive Psychology; Elementary Secondary Education; Factor Analysis; Higher Education; Intelligence Tests; *Measurement Techniques; Multidimensional Scaling; *Psychometrics; Test Construction; *Testing; Test Validity

ABSTRACT

The 1985 Buros-Nebraska Symposium was devoted to the broad issue of the influence of cognitive psychology on testing and measurement. The (1) "Introduction: The Implications of Cognitive Psychology for Testing" (Royce R. Ronning et. al.) lists four major issues addressed by the symposium--cognitive psychology as a basis for questioning some assumptions about the nature of mental abilities, the influence of cognitive psychology on test development, cognitive psychology's influences on test validity, and cognitive psychology as a means of linking testing and measurement. Under the heading "The Cognitive-Psychometric Connection" are: (2) "Science, Technology, and Intelligence" (Earl Hunt); (3) "Toward a Cognitive Theory for the Measurement of Achievement" (Robert Glaser et. al.); and (4) "The "g" beyond Factor Analysis" (Arthur R. Jensen). Under "Cognitive Approaches to Psychometric Issues: Application" are: (5) "The Assessment of Cognitive Factors in Academic Abilities" (Stephen L. Benton and Kenneth A. Kiewra); and (6) "Theoretical Implications from Protocol Analysis on Testing and Measurement" (K. Anders Ericsson). Under "Methodological Issues" are: (7) "Structure and Process in Cognitive Psychology Using Multidimensional Scaling and Related Techniques" (Edward J. Shoben and Brian H. Ross); and (8) "New Perspectives in the Analysis of Abilities" (John B. Carroll). (SLD)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****